



STIC Search Report

EIC 3700

STIC Database Tracking Number: 127705

TO: Nini Legesse
Location: cp210b10
Art Unit: 3711

Case Serial Number: 10762413

From: Jeanne Horrigan
Location: EIC 3700
CP2-2C08
Phone: 305-5934
jeanne.horrigan@uspto.gov

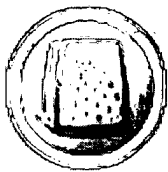
Search Notes

PPS

professional
protection
systems

WORLD CLASS PROTECTION for a HOSTILE PLANET





DECONTAMINATION SHOWER SYSTEMS

DECONTAMINATION SHOWER SYSTEMS

Since the introduction of our innovative inflatable decontamination shower units in 1996, we have developed an extensive range of associated products based on the concepts of portability and versatility. Motivation for our designs have, up until recently, come from the need to treat personnel working in or being exposed by accident to hazardous substances, be they chemical or bio-chemical hazards. Tragic events related to terrorist attacks have led to the world having to take steps to prepare for mass or group decontamination.

This new uncertainty means that emergency planning procedures have been reviewed and updated considerably, to a point where it is compulsory for public bodies to have contingency plans for all perceived eventualities. Military and Civilian emergency response teams therefore have a wide range of differing requirements, but all needing the confidence of knowing an effective decontamination system is being utilised.

PPS have invested time and resources into developing two fundamentally different ranges for each of those requirements. The following pages detail the different products that can be used for individual or mass decontamination, and the various accessories needed to build a fully operational system. We have a number of Decontamination Showers and Shelters that can work in combination, through a modular approach, to cope with any situation from an individual requiring immediate attention to a large group of people requiring continuous processing.

Decontamination, Portable and Inflatable System - DPI

The Plychem DPI shower system is a highly effective, attractively priced decontamination shower system that can be easily transported and rapidly deployed to cope with decontamination of personnel wherever it is required.

The DPI is in line with current thinking in employing low flow high-pressure jets to create a water 'mist' that achieves effective decontamination with the minimum of water usage. This is also environmentally sound in producing only a small amount of potentially contaminated water requiring disposal.

Weighing only 30Kg and supplied in a canvas bag, DPI can be deployed within 2 minutes to create a full size, stable 1.9M square x 2.2M high shower cubicle. Low flow (40 Lt / min) high-pressure water jets combined with hand held brush achieves rapid and thorough decontamination.

Integral containment system retains waste water for safe disposal, whilst optional disposable inner liner reduces need to decontaminate shower cubicle after use. Optional detergent injection system assists with decontamination procedure.



**The Integral PPS Decontamination
Shower Assistance Station**

This innovative, and extremely efficient, implementation of practical design is supplied as standard with the DPI and DPI X2 Shower System Units.

Allowing personnel outside the shower to assist with the decontamination process inside without having to wear Protective Clothing, the Assistance Station features a large and clear transparent screen, giving operators an unrestricted view of the occupant.

Coping easily with variation in operator height, the station also features robust, safe and flexible, long reach sleeves with changeable gloves.

A variety of decontamination tools, such as the water-fed scrubbing brush shown here, are easily manipulated by the operator.

Decon Assist Station (see above right)

Supplied as standard with DPI and DPI X2 Showers

Supplied in 0.25 m3 Canvas Bag

Weight Approx 35 kg

Dimensions: L 1900 mm - W 1900 mm - H 2300 mm

Product Code: 8000502666

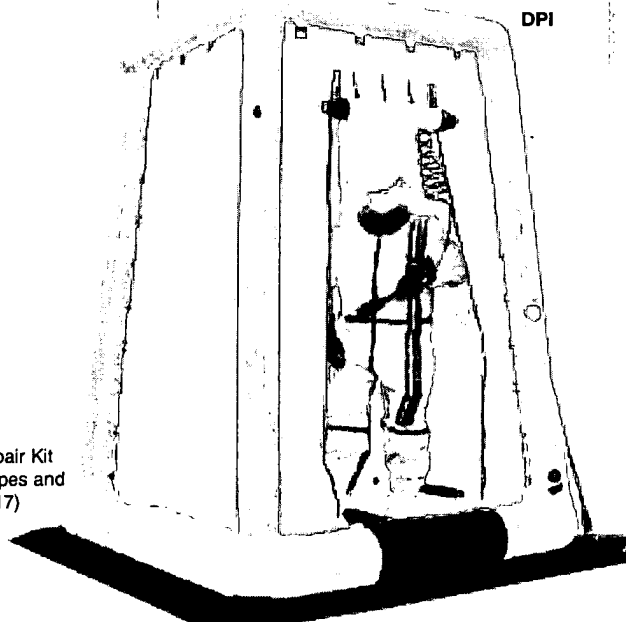
DPI (Decontamination Portable Inflatable)

Rapid decontamination (including emergency services)

6 fixed water jets (supplies 30 litres per minute)

Water fed hand held Brush (supplies 10 litres a minute)

All Showers on pages 13,14 and 15 supplied with Inflation Adaptor and Repair Kit
Accessories available: Detergent Injection System, Waste Water Pump, Ropes and Pags, Heating System etc. (See Shower System Accessories, pgs 16 and 17)

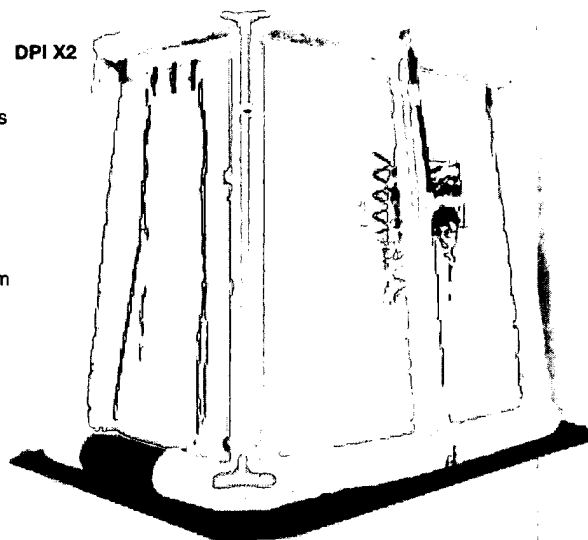


DPI

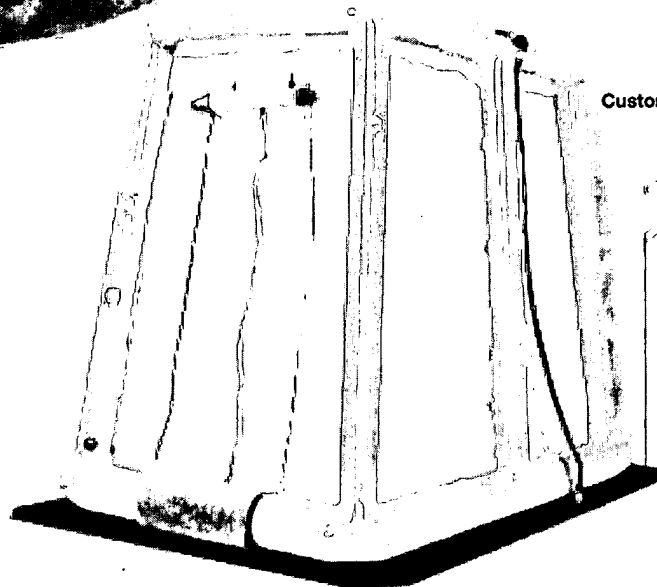


DPI X2
 12 fixed water Jets (supplying 60 litres a minute)
 2 water fed hand held Brushes (supplying 20 litres a minute)
 2x Decon Assist Stations (see left)
 Supplied in 0.50 m3 Canvas Bag
 Weight Approx 42 kg
 Dimensions: L 2900 mm - W 1900 mm - H 2300 mm
 Product Code: 8000502662

DPI X2

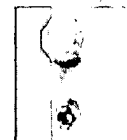


Custom DECAS V2



Custom DECAS
 Undressing and shower areas

Deflation Cap



Over pressure Valve
 Product Codes
 PS32950 - 1.30 PSI
 PS501284 - 1.75 PSI
 PS501294 - 2.50 PSI



Inflation Valve



Custom DECAS V2

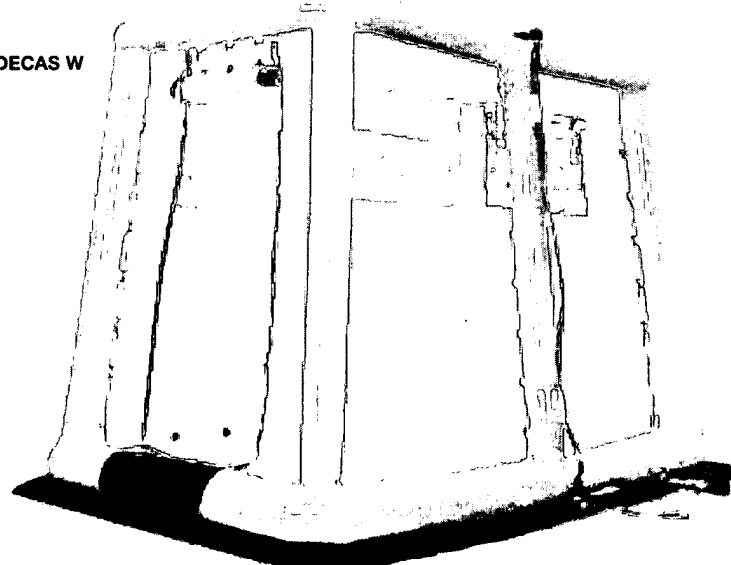
Designed for Civilian Decontamination
 Separate undressing and shower areas (see left below)
 2 water fed hand held Shower Sprays (supplying 2 to 12 litres per minute per Spray)
 Supplied in 0.50 m3 Canvas Bag
 Weight Approx 40 kg
 Dimensions: L 2900 mm - W 1900 mm - H 2300 mm
 Product Code: 8000499588
 Pre and Post Decon Packs Available
 Price on application.

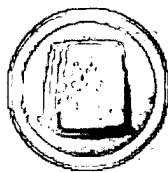
Pre and Post Decon Packs Available
 Price on application.

DECAS W

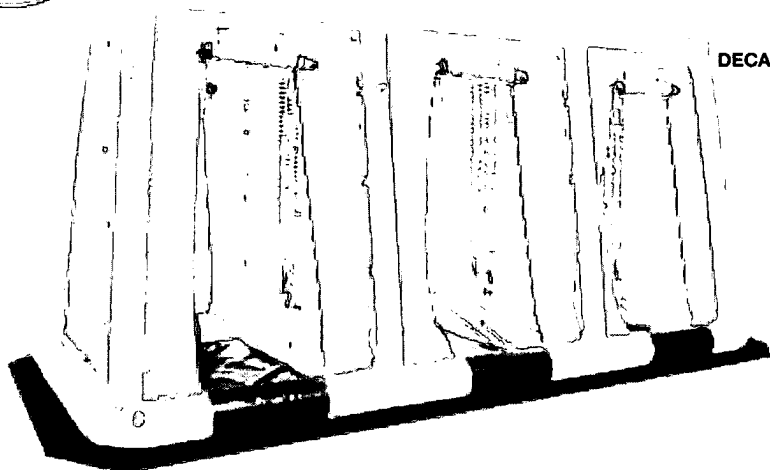
Designed to accept one stretcher bound casualty or two walking wounded with space for Paramedic assistance
 2 Water Fed Hand Held Shower Sprays (supplying between 2 and 12 litres per minute per Spray)
 Supplied in 0.50 m3 Canvas Bag
 Weight Approx 40 kg
 Dimensions: L 2900 mm - W 1900 mm - H 2300 mm
 Product Code: 8000502655

DECAS W





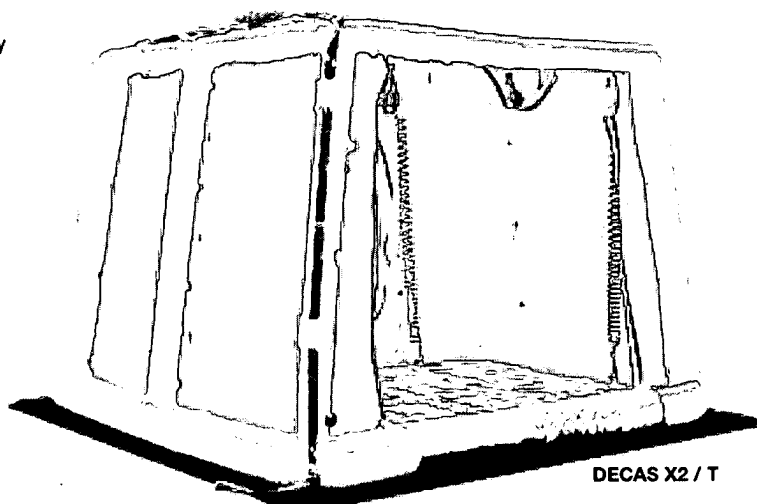
DECONTAMINATION SHOWER SYSTEMS



DECAS V3

DECAS V3

Separate Shower Cubicles
Designed to accept males, females and casualties separately
2 Water Fed Hand Held Shower Sprays per cubicle
(supplying between 2 and 12 litres per minute per Spray)
Supplied in 1.00 m3 Canvas Bag
Weight Approx 120 kg
Dimensions: L 5500mm - W 2900 - H 2300mm
Product Code: 8000499596

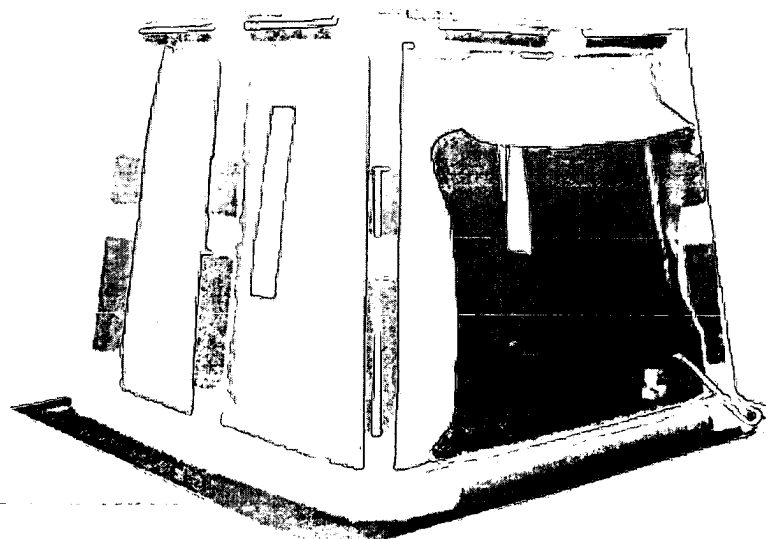


DECAS X2 / T

DECAS X2 / T

4 Trigger Operated Guns (6 function)
2 casualty unit with paramedic work space.
Disposable Liner option.
Supplied in 1.00 m3 Canvas Bag
Weight Approx 75 kg
Dimensions: L 2900 mm - W 2900 mm - H 2365 mm
Product Code: 8000502651

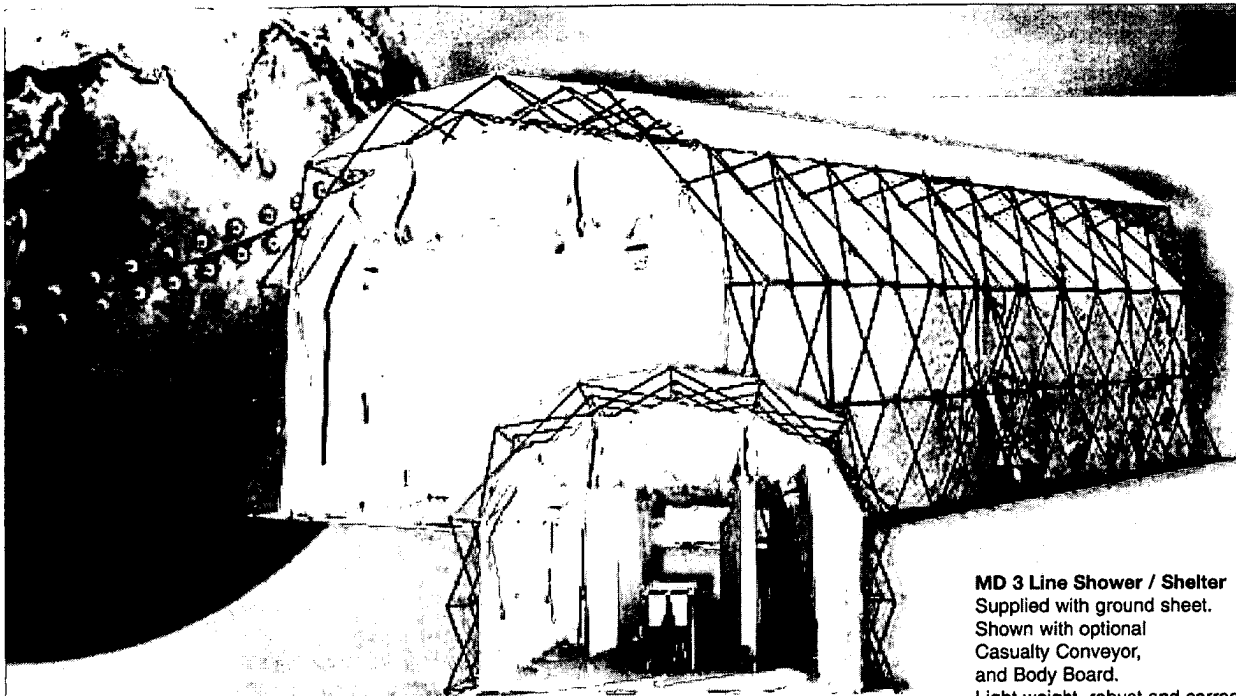
**Pre and Post Decon Packs Available
Price on application.**



NBC Unit

Chemical Warfare agent resistant and containment
2 six function trigger guns
Disposable Containment / Water system
Weight Approx 65 kg
Dimensions 2900mm x 2900mm x 2365 mm height
Supplied in 1.00 m3 Bag
Product Code: 8000502788
Optional Training Liner in lightweight,
DuraVent material.
Training Liner does not include water system.

**NBC Unit
Shown with NBC
disposable Liner**

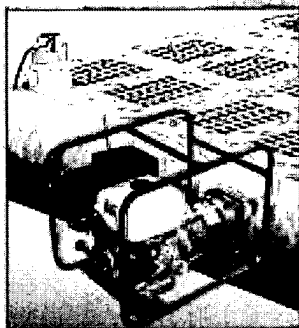


MD 3 Line Shower / Shelter

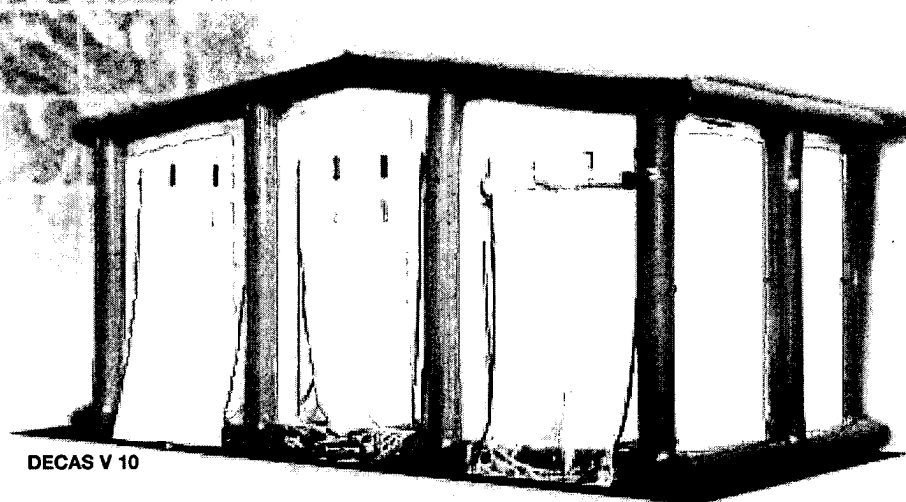
MD 3 Line Shower / Shelter

Supplied with ground sheet.
Shown with optional
Casualty Conveyor,
and Body Board.

Light weight, robust and corrosion
resistant external frames deploy rapidly
without the need for inflation



**Waste Water Pump
and Generator**
(see Accessories for
details)



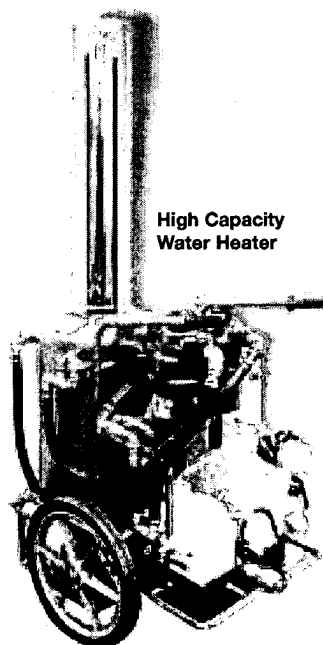
DECAS V 10

DECAS V 10

Separate male / female / casualty Shower Cubicles.
2 water fed, hand held Shower Sprays per cubicle.
Weight 200 kg
Dimensions: L 542 cm - W 295 cm - H 280 cm
Product Code: 800050707521

Forced Air Heater

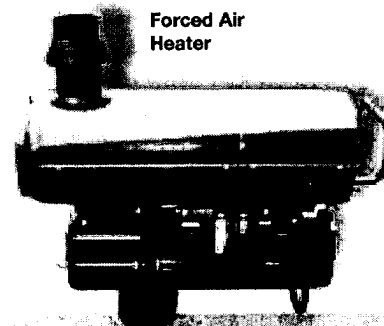
Portable Forced Air Heating System
Supplies continuous warm air to a
confined space.
Net Heat Output 25 kW
Fuel consumption 2,4 kg/h
Electric Power Supply 110V - 50 Hz
Weight 67 kg
Product code PS20046



**High Capacity
Water Heater**

High Capacity Water Heater

Dual Injection Dosatron System for two cleaning agents
0.2%- 1.5% and 3.0%- 8.0%
Electric junction box with 110V plug in connection and
time controlled socket for light management of incidents
Time controller set at 2 min detergent wash and
1 min rinse wash.
Dual Fuel supply running from 2 contained units and 2
spare back up cans
Heat 55 degrees F to 95 degrees F in 30 seconds
Water supply to 50 nozzles ratio over 100L a minute
Control Gauges



**Forced Air
Heater**